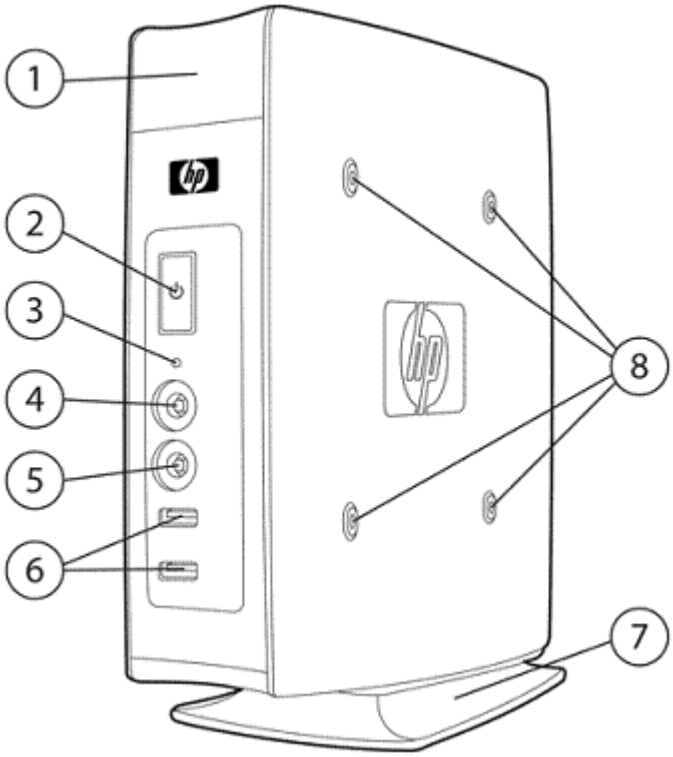
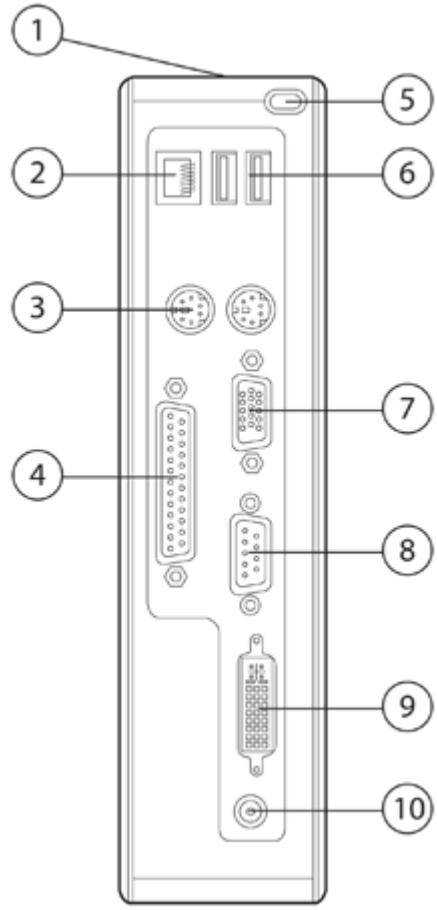
Introduction

The HP t5630 Thin Client delivers great value with a familiar Windows experience at the right performance level. Microsoft Windows XP Embedded SP2 operating system combined with a full-featured browser, Enhanced Write Filter, Symantec Endpoint Protection, terminal emulations, native dual monitor and widescreen support make the t5630 the optimum choice for business environments requiring a cost-effective thin client with flexibility and power.



Front

1. Secure USB compartment (2 USB connectors)
2. Power button with LED
3. Flash storage activity indicator
4. Audio connector (mic in)
5. Audio connector (headphone out)
6. USB connectors (2)
7. Vertical stand (removable)
8. VESA mounting points (4)
   (standard in Germany only; available as an option in other countries)



Back

1. Cable lock slot
2. 10/100/1000 Ethernet RJ-45 connector
3. PS/2 connectors (2)
4. Parallel port
5. Cable management feature
6. USB connectors (2)
7. VGA connector
8. Serial port
9. DVI-D connector
10. +12V DC power input

Overview

At A Glance

- Microsoft® Windows® XP Embedded SP2 with support for local applications
- VIA Eden 1 GHz processor for great performance
- 1 GB Flash memory provides ample storage for applications and drivers
- Up to 1 GB system memory (64 MB reserved for video)
- Includes one parallel, one serial, two PS/2, and six USB 2.0 ports (two in back, two in front, and two in secure USB compartment)
- MIC in and Audio out ports in front
- Enhanced Write Filter and Symantec Endpoint Protection Agent for enhanced data security
- Built in dual monitor support (VGA and DVI-D native)
- HP Device Manager lets you remotely manage client devices from a central location.
- HP's alliance with Altiris brings a leading management solution to the thin client market. Altiris Deployment Solution's standards-based, advanced thin client management solution helps reduce the costs of deploying, updating, and maintaining your thin clients. A free client license is included with each HP thin client.
- Exclusive HP ThinState Tools offers in-box, easy-to-use image deployment and recovery tools.
- Support for HP Client Automation for quick and easy deployment of images and thin client management. HP Client Automation Starter Edition is available as a free download. For more details visit: www.hp.com.
- Supports HP Universal Print Driver for Windows, a single, intelligent print driver that provides instant access to a wide range of HP print devices. The HP UPD is available for free at: www.hp.com/go/upd.
- HP Total Care Warranty and Services: limited three-year hardware warranty in most regions. HP Care Pack Services extend service contracts which go beyond your standard warranties. For more details visit: www.hp.com/go/lookuptool.

Models

FQ801AA#XXX FQ801AT#XXX (SmartBuy or Promo) FS437AA#ABA (TAA compliant)[1]	Model Name	HP t5630 Thin Client
	Processor	VIA Eden 1 GHz
	Flash	1 GB
	System Memory	1 GB (64 MB reserved for video)
	Operating System	Microsoft Windows XP Embedded SP2
	Keyboard	Keyboard (USB or PS/2) varies by region
	Mouse	Mouse (USB or PS/2) varies by region

[1] Product complies with U.S. Trade Agreement (TAA). Available in U.S only.

FY267AA#XXX (Available in Asia Pacific only)	Model Name	HP t5630 Thin Client
	Processor	VIA Eden 1 GHz
	Flash	1 GB
	System Memory	512 MB (64 MB reserved for video)
	Operating System	Microsoft Windows XP Embedded SP2
	Keyboard	Keyboard (USB or PS/2) varies by region
	Mouse	Mouse (USB or PS/2) varies by region

Options

	NOTE: Options are available as separate purchase[1]	Part Number
Accessories	HP Quick Release Kit	EM870AA
	HP Quick Release/VESA Panels Kit	FV248AA
	HP Integrated Work Center Stand	GN783AA
	50 Watt External Power Supply	FJ851AA
Third-Party Communications	Belkin USB Wireless 802.11b/g[2,3] (Security: WEP, WPA & WPA2 Only)	HP4050
Touch Screens	ELO Touch 1529L Flat Panel[2]	E926109
	HP L5006tm LCD Touchscreen (available in selected countries)	RB146AA
Security	HP USB Smartcard Keyboard	ED707AA
	SCM USB Smart Card Reader SCR331[2]	904622
	HP/Kensington Cable Lock	PC766A
Input Devices	HP PS/2 Standard Keyboard	DT527A
	HP USB Standard Keyboard	DT528A
	HP USB Smartcard Keyboard	ED707AA
	HP PS/2 2-Button Optical Scroll Mouse	EY703AA
	HP USB 2-Button Optical Scroll Mouse	DC172B
Storage	Apacer 2 GB Disk on Key (DOK)[2]	91.HTD2S.HP00C
	Apacer 4 GB Disk on Key (DOK)[2]	91.HTE2S.HP00C
	External USB 2.0 Multibay II Cradle	PA509A
	Multibay II DVD Drive (Does not support DVD play back)	PA849A
Care Pack Services[4]	9x5 Next-Business-Day Advanced Exchange – 3 Years	
	9x5 Next-Business-Day On-Site Coverage – 3 Years	

[1] The warranties for HP branded products are set forth in the express limited warranty statements accompanying such products. Although third-party products may work effectively on HP thin clients, these third-party products are provided "AS IS." HP does not support or warrant third-party products, including the interoperability of such products with HP thin clients. However, third-party manufacturers and vendors may provide their own warranties and support directly to you. Please contact the manufacturers or vendors for hardware or software support on their products.

[2] This is a third-party product. Product, warranty and support available directly from third-party vendor.

[3] Wireless access point and Internet service sold separately. Roaming not supported. Not certified in Australia, China, Indonesia, Korea, Malaysia, New Zealand, Pakistan, Philippines, or Taiwan.

[4] Service levels and response times for HP Care Pack Services may vary depending on your geographic location. Service starts from date of hardware purchase. Restrictions and limitations apply. HP Care Pack Services extend service contracts beyond the standard warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: www.hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at: www.hp.com/hps/carepack.

Technical Specifications

Processor	VIA Eden 1 GHz	
Chipsets	VIA VX800 north/south bridge unified chip	
Memory	**Flash**	1 GB
	System Memory	Up to 1 GB (64 MB reserved for video)
Graphics	VIAChrome9 HC3 Integrated Graphics Processor NOTE: The resolutions your monitor displays may vary. The graphics controller supports these resolutions:	

Resolutions	**Refresh Rates** (Single Monitor Mode)	**Color Depth** (Single Monitor Mode)
640 x 480	60, 72, 75, 85 Hz	8, 16, 32 bit
800 x 600	60, 70, 72, 75, 85 Hz	8, 16, 32 bit
848 x 480	60, 75, 85 Hz	8, 16, 32 bit
1024 x 480	60 Hz	8, 16, 32 bit
1024 x 768	60, 70, 72, 75, 85 Hz	8, 16, 32 bit
1280 x 720	60, 75, 85 Hz	8, 16, 32 bit
1280 x 768	60 Hz	8, 16, 32 bit
1280 x 800	60, 75, 85 Hz	8, 16, 32 bit
1280 x 1024	60, 70, 75, 85 Hz	8, 16, 32 bit
1360 x 768	60 Hz	8, 16, 32 bit
1368 x 768	60, 75, 85 Hz	8, 16, 32 bit
1400 x 1050	60 Hz	8, 16, 32 bit
1440 x 900	60, 75, 85 Hz	8, 16, 32 bit
1600 x 1200	60, 75 ,85 Hz	8, 16, 32 bit
1680 x 1050	60, 75 Hz	8, 16, 32 bit
1920 x 1080	60, 75 Hz	8, 16, 32 bit
1920 x 1200	60, 75, 85 Hz (DVI-D 60 Hz only)	8, 16, 32 bit

Input/Output/ Peripheral Support	**Keyboard**	Keyboard (USB or PS/2) varies by region
	Mouse	Mouse (USB or PS/2) varies by region
	Printer	Local and/or network printers (RDP, ICA, LPD)
	Video	VGA-type video output (DB-15) DVI-D digital video output
Audio	**Output**	Internal amplified speaker 1/8-inch mini-jack, 24-bit stereo, 192-kHz sample rate
	Input	1/8-inch microphone mini-jack, 20-bit stereo, 96-kHz sample rate
Hardware Security	Security lock slot (cable lock sold separately) Secure USB compartment with 2 USB 2.0 ports	
Server Based Computing Protocols	Citrix ICA Microsoft RDP	
Networking	10/100/1000 Ethernet (RJ-45)	
	TCP/IP with DNS and DHCP	

	Point-to-Point Protocol (PPP), Point-to-Point over Ethernet (PPPoE), Point-to-Point Tunneling Protocol (PPTP), Layer-2 Tunneling Protocol (L2TP) Server Network Time Protocol (SNTP) Simple Network Management Protocol (SNMP) Wake on LAN PXE
I/O ports and connectors	6 USB 2.0 ports, 1 serial, 1 parallel, 2 PS/2, 1 RJ45, 1 VGA, 1 DVI-D, 1 headphone, 1 microphone
Resident Operating System	Microsoft Windows XP Embedded SP2
Languages (MUI)	English, French, German, Spanish, Dutch, Norwegian, Korean, Simplified Chinese, Traditional Chinese, and Japanese
Server OS Compatibility/ Support	Citrix Presentation Server (up to 4.5) Windows Server 2008 Windows 2000/2003 Server families Windows 2000/2003 Server Terminal Services Windows 2000 Advanced Server, Windows 2000 Advance Server Terminal Services VMware Virtual Desktop Infrastructure using RDP
Session Allocation Managers/Session Brokers	HP Session Allocation Manager (SAM) Citrix XenDesktop DDC broker VMware VDM broker Leostream Desktop Connection Broker (contact vendor directly for broker sales and support) Provision Networks (Quest) Virtual Access Broker (contact vendor directly for broker sales and support)
Software Included	Microsoft Windows XP Embedded SP2 Citrix ICA 10.x and Microsoft RDP 6.0 Microsoft Internet Explorer 7.0 Windows Media Player 11 Symantec Endpoint Protection Agent HP Device Manager Agent Altiris Deployment Solution (full client license). Altiris Deployment Solution (management console) available as free download from Altiris at: www.altiris.com/hptc HP ThinState for image capture and redeploy TeemTalk Terminal Emulation Suite HP Client Automation (available as a separate download). For details visit www.hp.com HP Universal Print Driver (available as a free download at www.hp.com/go/upd) ThinPrint .print TCP client (available as add-on) See www.hp.com/support for list of available add-ons
Emulations	TeemTalk Terminal Emulator supports these emulations. SSH/SSL is supported in terminal emulation mode allowing users to secure their connections to the host.

Emulation	Terminal ID
ADDS Viewpoint A2	ADDS-A2
AIXTerm	aixterm
ANSI BBS	ansi
AT&T AT 386	at386-m
AT&T Dataspeed 4410	att4410
Bull BQ3107	VIP7700, VIP7760
Data General Dasher 410/412	dg410

Hewlett Packard HP700-92/96	2392A, 2622A, 70092, 70094, 70096
Hazeltine 1500	HZ1500
IBM 3151	11, 11-28, 31, 31-28
IBM 3270	3278-2 (24x80 Mono), 3278-3 (32x80 Mono), 3278-4 (43x80 Mono), 3278-5 (27x132 Mono), 3278-2-E (24x80 Color), 3278-3-E (32x80 Color), 3278-4-E (43x80 Color), 3278-5-E (27x132 Color), 3279-2 (24x80 Color), 3279-3 (32x80 Color), 3279-4 (43x80 Color), 3279-5 (27x132 Color), 3287-1 (Printer)
IBM 5250	3179-2 (24x80 Color), 3180-2 (27x132 Mono Msg), 3196-A1 (24x80 Mono), 3477-FC (27x132 Color Msg), 3477-FG (27x132 Mono Msg), 3486-BA (24x80 Mono), 3487-HA (27x132 Mono), 3487-HC (27x132 Color), 3812-1 (Printer), 5251-11 (24x80 Mono), 5291-1 (24x80 Mono), 5292-2 (24x80 Color), 5553-B01 (DBCS Printer), 5555-B01 (DBCS 24x80 Mono), 5555-C01 (DBCS 24x80 Color)
McDonnell Douglas Prism-8, Prism-12	tty
McDonnell Douglas Prism-9	tty
Prime PT250	pt250
SCO Console	ansi
Siemens 97801	97801
Stratus V102	v102
Tandem TA6526, TA6530	tn6530-8
Televideo 910	TVI910
Televideo 920	TVI920
Televideo 925	TVI925
Televideo 950	TVI950
Televideo 955	TVI955
Unisys T27	UNISYS-TD830

Technical Specifications

	Viewdata 40	VIEWDATA – 40
	Viewdata 80	VIEWDATA – 80
	Viewdata Split	VIEWDATA – SPLIT
	DEC VT PCTerm	VT-PCTERM
	DEC VT100	m2200, vt100, vt101, vt102, vt125, vt131, vt132, vt220, vt240, vt320, vt340, vt420, vt510, vt520, vt525
	DEC VT100+	VT100+
	DEC VT500 7-bit	m2200, vt100, vt101, vt102, vt125, vt131, vt132, vt220, vt240, vt320, vt340, vt420, vt510, vt520, vt525
	DEC VT500 8-bit	m2200, vt100, vt101, vt102, vt125, vt131, vt132, vt220, vt240, vt320, vt340, vt420, vt510, vt520, vt525
	DEC VT 52	m2200, vt100, vt101, vt102, vt125, vt131, vt132, vt220, vt240, vt320, vt340, vt420, vt510, vt520, vt525
	VT HP220	vt220
	VT UTF8	VT-UTF8
	Wyse WY370	WYSE-370
	Wyse WY50	WYSE-50
	Wyse WY50+	WYSE-50
	Wyse WY60	WYSE-60
	Wyse PCTerm	WYSE-PCTERM
Dimensions H x W x D	Without stand	8.25 x 2.05 x 8.5 in (209.55 x 52.07 x 215.90 mm)
	With stand	8.65 x 2.05 x 8.5 in (219.70 x 52.07 x 215.90 mm)
Weight (approximate)	With stand	3.40 lbs (1.54 kg)
Power*	Operating voltage range	100-240 VAC
	Rated line frequency	50-60 Hz
	Power output (max)	50W
	Rated output current (max)	4.16A
	Output voltage	+12V DC
	Power consumption	Average power consumption of this thin client in a typical setup is 14.0 W
	* The actual power consumption at your location could vary and is dependent on many factors including but not limited to software load on the thin client, attached peripherals, and environmental factors.	
Environmental	Operating temperature range	50° to 104° F (10° to 40° C)
	Non-operating temperature range	–22° to 140° F (–30 to 60° C)
	Humidity (non-condensing)	10% to 90% operating/5% to 95% non-operating
Regulatory Compliances	Product Safety	International: IEC60950-1, 12:2005, with CB Certificate and all National Deviations US and Canada: UL 60950-1 / CAN/CSA 22.2 No. 60950-1-03, 07:2006, Bi-National Standard for ITE Safety in the US and Canada and is published jointly by UL and CSA. Europe: EN 60950-1, 06:2003, Information Technology Equipment

	Ergonomics	The product has been tested and found to comply with all applicable GS ergonomic requirements.
	RF Interference	FCC Class B, CE Mark, VCCI
Warranty	Three-year limited hardware warranty.	
	NOTE: Certain restrictions apply. Consult the HP Customer Support Center for details.	
Environment-friendly Products and Approach	RoHS Compliance	Hewlett-Packard is committed to compliance with all applicable environmental laws and regulations, including the European Union Restriction of Hazardous Substances (RoHS) Directive. HP's goal is to exceed compliance obligations by meeting the requirements of the RoHS Directive on a worldwide basis. From July 1, 2006, RoHS substances will be virtually eliminated (virtually = to levels below legal limits) for all HP electronic products subject to the RoHS Directive, except where it is widely recognized that there is no technically feasible alternative (as indicated by an exemption under the EU RoHS Directive).
	Material Usage	This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants – may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Nickel - finishes must not be used on the external surface designed to be frequently handled or carried by the user.
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)
- Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)

	Packaging	HP follows these guidelines to decrease the environmental impact of product packaging:

- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.

- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

End-of-life Management and Recycling	Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: www.hp.com/recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner. The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.
Hewlett-Packard Corporate Environmental Information	For more information about HP's commitment to the environment: Global Citizenship Report www.hp.com/hpinfo/globalcitizenship/gcreport/index.html Eco-label certifications www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html ISO 14001 certificates: www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html

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